

ABSTRACT OF THE DISCLOSURE

5 A heat controller has a composite material formed by
 combining a base material radiating a large amount of heat
 at a high-temperature phase with a phase-change substance
 having insulation properties at a high-temperature phase,
 having metallic properties at a low-temperature phase,
 radiating a small amount of heat at a low-temperature phase,
 10 and having a high reflectivity in the thermal infrared region
 at a low-temperature phase, so as to control the temperature
 of an object.

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